13281 U.S. PTO
103003

NONPROVISIONAL PATENT
APPLICATION TRANSMITTAL RULE §1.53(b)
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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103003

Mail Stop: Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing under 37 C.F.R. §1.53(b) is a nonprovisional patent application:

For (Title): CATALYST DETECTOR FOR VEHICLE

By (Inventors): Hiroki HOSOE (Saitama, Japan); Tatsuya OKAYAMA (Saitama, Japan); Akira MURAKAMI (Saitama, Japan); Kengo TAKAMIZAWA (Saitama, Japan)

☒ 26 pages of Specification/Claims 1-5/Abstract are attached.
☒ Formal drawings (Figs. 1-9; 8 sheets) are attached.
☒ Priority of Japanese Application Number 2002-316944 filed October 31, 2002, is claimed under 35 U.S.C. §119.
☒ A certified copy of the above corresponding foreign application is attached.
☒ An Information Disclosure Statement is attached, with Form PTO-1449, and 3 references.

The filing fee is calculated below and includes claim status after entry of any Preliminary Amendment noted above:

FOR:	NO. FILED	NO. EXTRA	SMALL ENTITY RATE	SMALL ENTITY FEE	OR	LARGE ENTITY RATE	LARGE ENTITY FEE
BASIC FEE				$ 385	OR		$ 770
TOTAL CLAIMS	5 - 20	= 0	x 9 =	$	OR	x 18	$ 0
INDEP CLAIMS	1 - 3	= 0	x 43 =	$	OR	x 86	$ 0
☐ MULTIPLE DEPENDENT CLAIMS			+145 =	$	OR	+290	$ 0
			TOTAL	$	OR	TOTAL	$ 770

☒ **NO FEE IS ENCLOSED AT THIS TIME.**

Respectfully submitted,

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CMM:vmh